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## Education

- 2010-2014 PhD Neuroscience (Wellcome-NIH studentship; University of Birmingham, UK & National Institutes of Health, USA)
- 2009-2010 MRes Brain Imaging & Cognitive Neuroscience (University of Birmingham, UK)
- 2002-2005 BSc Psychology (University of Leeds, UK)
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## Publications

- Patten ML & Murphy AP (2012). Relative Disparity Processing in the Dorsal Visual Pathway. *Journal of Neuroscience*, 32(16):5353–5355. [doi:10.1523/JNEUROSCI.0588-12.2012](https://doi.org/10.1523/JNEUROSCI.0588-12.2012)
- Rodgers RJ, Evans PM and Murphy A (2005). Anxiogenic profile of AM-251, a selective cannabinoid CB1 receptor antagonist, in plus-maze-naïve and plus-maze-experienced mice. *Behavioural Pharmacology*, 16(5 & 6): 405-413. [doi:](https://doi.org/10.1016/j.bep.2005.08.001)

## Conference Abstracts

- Murphy AP, Ban H & Welchman AE (2012). The integration of texture- and disparity-defined slant in the human brain. *Journal of Vision* [Vision Science Society Annual Meeting 2012]
- Murphy AP, Ban H & Welchman AE (2011). Decoding disparity-defined surface curvature in the human brain. *Journal of Vision*, 11(11): 332. [doi: 10.1167/11.11.332](https://doi.org/10.1167/11.11.332) [Vision Science Society Annual Meeting 2011]
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## Awards & Fellowships

- Wellcome Trust/ National Institutes of Health Four-Year PhD Studentship (2010 – 2014)
- 2011 Elsevier/Vision Research Travel Award ([VSS 2011](https://doi.org/10.1016/j.visres.2011.08.001), Naples FL, Student Travel Award)
- Roberts Skills Fund for PhD led conference: '[3D Vision: From Input to Perception](https://doi.org/10.1016/j.visres.2011.08.001)' (2011) - £1000
- Roberts Skills Fund for PhD led conference: '[Multisensory Integration Meeting](https://doi.org/10.1016/j.visres.2011.08.001)' (2012) - £1000
- Guarantors of Brain short meeting grant: '[Multisensory Integration Meeting](https://doi.org/10.1016/j.visres.2011.08.001)' (2012) - £1000
- Experimental Psychology Society Grindley Grant (VSS 2012, Naples FL, student travel award)
- Guarantors of Brain travel grant (VSS 2012, Naples FL)

### Invited Talks

- NIH OxCam 2012 Colloquium – ‘Decoding texture- and disparity-defined slant in the human brain’.
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### Research Experience

- Magnetic resonance imaging (MRI): data collection, univariate and multivariate fMRI analysis methods (BrainVoyagerQX, Matlab, SPM), voxel-based morphometry lesion analysis (VBM).
- Transcranial magnetic stimulation (TMS) delivery with stereotaxic neuronavigation (BrainSight, Matlab).
- Psychophysics: visual and auditory stimulus programming, behavioural data collection and analysis (Matlab, Psychtoolbox, Python).
- Eyetracking data collection and analysis (EyeLink video based tracking, Matlab).
- Equipment design: vision research - Wheatstone stereoscope and TMS laboratory design, purchasing and setup.
- Behavioural pharmacology: animal handling, drug administration and quantitative ethological behavioural analysis.

### Administrative/ teaching experience

- Applying for funding and organizing conferences with international guest speakers.
  - Undergraduate teaching assistant (statistics workshops, visual illusions workshop, neuroanatomy).
  - Grant writing for Wellcome and NIH style grant applications.
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### Referees

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